```
042190_replacement_sequence_listing.txt
SEQUENCE LISTING
<110> KUROKAWA, Masato
NAKAMURA, Hiroaki
<120> Wound dressing for accelerating epidermal regeneration
<130> 292US
<160> 51
<170> PatentIn version 3.1
<210>
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       1
3
<212>
      PRT
<213> Homo sapiens
<400> 1
Arg Gly Asp
<210>
<211>
<212> PRT
<213>
      Homo sapiens
<400> 2
Ile Lys Val Ala Val
<210>
<211>
      3
5
<212> PRT
<213> Homo sapiens
<400> 3
Tyr Ile Gly Ser Arg
1 5
<210> 4
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> auxiliary amino acid sequence (Y)
<400>
Gly Ala Gly Ala Gly Ala Gly Ala 10
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<210>

<211> 40 <212> PRT

```
042190_replacement_sequence_listing.txt
                                 Artificial Sequence
<213>
 <220>
 <223>
                                  auxiliary amino acid sequence (Y)
 <400>
                                  5
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Gly Ala Gly Al
Gly Ala Gly Ala Gly Ala Gly Ala 40
 <210>
 <211>
                                 160
  <212>
                                  PRT
  <213>
                                  Artificial Sequence
 <220>
                                   auxiliary amino acid sequence (Y)
 <223>
 <400>
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 Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala
 Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala Gly Ala 35
  Gly Ala 50 60
 Gly Ala 65 70 75 80
  Gly Ala 90 95
  Gly Ala 100 105
  Gly Ala 115 120
   Gly Ala Gly Al
   Gly Ala 145 150 160
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                                      12
      <211>
      <212>
                                      PRT
                                      Artificial Sequence
```

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042190_replacement_sequence_listing.txt
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       54
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       Artificial Sequence
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<223>
       auxiliary amino acid sequence (Y)
<400>
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Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ser Gly Ala 20 25 30
Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser 35 40 45
Gly Ala Gly Ala Gly Ser 50
<210>
       180
<211>
<212>
       PRT
<213>
      Artificial Sequence
<220>
       auxiliary amino acid sequence (Y)
<223>
<400>
Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala
1 15
Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ser Gly Ala 20 25 30
Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser 35 40 45
Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala 50 60
Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ser Gly Ala 65 70 75
Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser
85 90 95
Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala
100 105 110
                                           Page 3
```

```
042190_replacement_sequence_listing.txt
Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ser Gly Ala
115 120 125
Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser
130 135 140
Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala 145 150 160
Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ser Gly Ala 165 170 175
Gly Ala Gly Ser
       10
<210>
<211>
       12
<212>
       PRT
       Artificial Sequence
<213>
<220>
       auxiliary amino acid sequence (Y)
<223>
<400>
       10
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1 10
<210>
       11
<211>
       54
<212> PRT
       Artificial Sequence
<213>
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<400>
       11
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1 10 15
Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala
20 25 30
Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr 35 40 45
Gly Ala Gly Ala Gly Tyr
50
<210>
        12
       180
 <211>
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042190_replacement_sequence_listing.txt
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Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala 20 25 30
Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr 35 40 45
Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala 50 60
Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala 65 70 75 80
Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr
85 90 95
Gly Ala Gly Ala Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala 100 105 110
Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala
115 120 125
Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr
130 135 140
Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala 145 150 160
Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala Gly Ala Gly Tyr Gly Ala 165 170 175
Gly Ala Gly Tyr
180
        13
12
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        PRT
        Artificial Sequence
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<400>
        13
Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr
<210>
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<211>
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<220>
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auxiliary amino acid sequence (Y)

<400>

14

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O42190_replacement_sequence_listing.txt
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10 15
Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala
20 25 Ala Gly Val Gly Tyr Gly Ala
30 Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr
35 40 45

<210> 15
<211> 180
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<211> 180 <212> **PRT** Artificial Sequence <220> auxiliary amino acid sequence (Y) <223> <400> Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val 1 5 10 15 Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala 20 25 30 Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr 35 40 45 Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val 50 60 Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala 65 70 75 80 Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr 85 90 95 Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val 100 105 110 Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala 115 120 125 Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr 130 140 Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val 145 150 155 160 Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala Gly Val Gly Tyr Gly Ala 165 170 175

Gly Val Gly Tyr 180

<210> 16 <211> 12

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042190_replacement_sequence_listing.txt
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<400>
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<210>
       17
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       54
<212>
       PRT
<213>
       Artificial Sequence
<220>
<223>
       auxiliary amino acid sequence (Y)
<400>
       17
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Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala
20 25 30
Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val
35
40
45
Gly Ala Gly Tyr Gly Val
<210>
       18
<211>
       180
<212>
       PRT
<213>
       Artificial Sequence
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<223>
       auxiliary amino acid sequence (Y)
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       18
Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr
Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala
20 25 30
Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val
Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr 50 55 60
Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala 65 70 75 80
Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val
85 90 95
```

```
042190_replacement_sequence_listing.txt
Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr
100 105 110
Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala 115 120 125
Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val 130 135 140
Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr 145 150 155 160
Gly Val Gly Ala Gly Tyr Gly Val Gly Ala Gly Tyr Gly Val Gly Ala
165 170 175
Gly Tyr Gly Val
<210>
       19
<211>
       48
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       PRT
       Artificial Sequence
<213>
<220>
       auxiliary amino acid sequence (Y)
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Ala Ala Ala Ala Gly Gly Ala Asp Gly Gly Ala Ala Ala Ala Ala 20 25 30
Ala Gly Gly Ala Asp Gly Gly Ala Ala Ala Ala Ala Gly Gly Ala 35 40 45
       20
<210>
<211>
       18
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       PRT
       Artificial Sequence
<213>
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<223>
Gly Ala
<210>
<211>
       72
<212> PRT
<213> Artificial Sequence
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042190_replacement_sequence_listing.txt
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Ala Ala Ala Ala Gly Gly Ala
65 70
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<211>
<212>
      PRT
<213>
     Artificial Sequence
<220>
      auxiliary amino acid sequence (Y)
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<400>
Gly Val Pro Gly Val Gly Val Pro Gly Val
1 5 10
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<211>
      23
      50
<212>
     PRT
     Artificial Sequence
<213>
<220>
      auxiliary amino acid sequence (Y)
<223>
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      23
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Val Pro Gly Val Gly Val Pro Gly Val Gly Val Gly Val Gly Val 20 25 30
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro 35
Gly Val
<210>
      24
      200
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 <212>
      PRT
      Artificial Sequence
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042190_replacement_sequence_listing.txt
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Val Pro Gly Val Gly Val Pro Gly Val Gly Val Gly Val 20 25 30
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro 35 40 45
Gly Val Gly Val Pro Gly Val Gly Val Gly Val Pro Gly 50 55 60
Val Gly Val Pro Gly Val Gly Val Gly Val Pro Gly Val 65 70 75 80
Gly Val Pro Gly Val Gly Val Gly Val Pro Gly Val Gly 85 90 95
val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val 100 105
Pro Gly Val Gly Val Pro Gly Val Gly Val Gly Val Pro 115 120 125
Gly Val Gly Val Pro Gly Val Gly Val Gly Val Pro Gly 130 135 140
Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
145 150 155 160
Gly Val Pro Gly Val Gly Val Gly Val Pro Gly Val Gly
165 170 175
Val Pro Gly Val Gly Val Pro Gly Val Gly Val Bro Gly Val Gly Val 180 185
Pro Gly Val Gly Val Pro Gly Val
195 200
        195
<210>
<211>
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<213>
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Gly Gly Gly Gly Gly Gly Gly Gly 10
       26
<210>
<211>
       40
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       Artificial Sequence
<213>
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## 042190\_replacement\_sequence\_listing.txt

18 8 9.4.4

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<220>
 auxiliary amino acid sequence (Y)
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Gly Gly Gly Gly Gly Gly Gly 40
<210>
 27
 160
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 Artificial Sequence
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 auxiliary amino acid sequence (Y)
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<400>
 27
<210>
 28
<211>
 10
<212>
<213>
 Artificial Sequence
<220>
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042190_replacement_sequence_listing.txt
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<400>
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<210>
<211>
  40
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  PRT
  Artificial Sequence
<213>
<220>
  auxiliary amino acid sequence (Y)
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<400>
  29
Ala Ala Ala Ala Ala Ala Ala Ala 40
<210>
  30
  160
<211>
<212>
  PRT
  Artificial Sequence
<213>
<220>
  auxiliary amino acid sequence (Y)
<223>
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  30
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042190_replacement_sequence_listing.txt
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31
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<211>
      PRT
<212>
      Artificial Sequence
<213>
<220>
      auxiliary amino acid sequence (Y)
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<210>
      32
      36
<211>
<212>
      PRT
<213>
      Artificial Sequence
<220>
<223>
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<400>
      32
Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly 10 15
Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly 20 25 30
Ala Gly Gly Ala
35
       33
<210>
       180
<211>
<212>
      PRT
<213>
      Artificial Sequence
<220>
       auxiliary amino acid sequence (Y)
<223>
<400>
Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly 10 15
Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly 30
Ala Gly Gly Ala 35
Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly 50 55 60
Gly Ala Gly Gly
```

```
042190_replacement_sequence_listing.txt 75 80
65
Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala 85 90 95
Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly 100 105
Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly 115 120 125
Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala 130 135 140
Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly 145 150 155 160
Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly Ala Gly Gly 165 170 175
Ala Gly Gly Ala
<210>
<211>
       10
<212>
       PRT
       Artificial Sequence
<213>
<220>
       auxiliary amino acid sequence (Y)
<223>
<400>
Gly Val Gly Val Pro Gly Val Gly Val Pro
1 5 10
       35
50
<210>
<211>
<212>
       PRT
       Artificial Sequence
<213>
<220>
        auxiliary amino acid sequence (Y)
<223>
<400>
        35
Gly Val Gly Val Pro Gly Val Gly Val Gly Val Gly Val Pro Gly
1 5 10 15
Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val 20 25 30
Gly Val Pro Gly Val Gly Val Gly Val Pro Gly Val Gly 35 40 45
Val Pro
     50
```

```
042190_replacement_sequence_listing.txt
       200
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       PRT
<213>
       Artificial Sequence
<220>
       auxiliary amino acid sequence (Y)
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<400>
       36
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val Gly val Pro Gly val Gly Val Pro Gly Val Gly Val Pro Gly Val 20 25 30
Gly Val Pro Gly Val Gly Val Gly Val Pro Gly Val Gly 35 40 45
val Pro Gly Val Gly Val Pro Gly Val Gly Val Fro Gly Val Gly Val 50 55 60
Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro 65 70 75 80
Gly Val Gly Val Pro Gly Val Gly Val Gly Val Pro Gly 85 90 95
Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val 100 105 110
Gly Val Pro Gly Val Gly Val Gly Val Pro Gly Val Gly 115 120 125
Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val 130 135 140
Pro Gly Val Gly Val Pro Gly Val Gly Val Gly Val Gly Val Pro 145 150 155 160
Gly Val Gly Val Pro Gly Val Gly Val Gly Val Pro Gly 165 170 175
Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
Gly val Pro Gly val Gly val Pro
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       9
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```

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042190_replacement_sequence_listing.txt
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      38
      36
<211>
<212>
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      Artificial Sequence
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<400>
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Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro 20 25 30
Pro Gly Pro Pro
35
<210>
       180
<211>
<212>
      PRT
      Artificial Sequence
<213>
<220>
       auxiliary amino acid sequence (Y)
<223>
<400>
       39
Gly Pro Pro Gly Pro Gly Pro Gly Pro Pro Gly Pro Pro Gly 10 15
Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro 20 25 30
Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro 35 40 45
Gly Pro Pro Gly Pro Gly Pro Gly Pro Gly Pro Pro Gly 50 55 60
Pro Pro Gly Pro Gly Pro Pro Gly Pro Pro Gly Pro 65 70 75 80
Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro 85 90 95
Gly Pro Pro Gly Pro Gly Pro Gly Pro Gly Pro Pro Gly 100 105 110
Pro Pro Gly Pro Gly Pro Gly Pro Pro Gly Pro Pro Gly Pro 115 120 125
Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro 130 140
Gly Pro Pro Gly Pro Gly Pro Pro Gly Pro Pro Gly Pro Pro Gly 145 150 155 160
Pro Pro Gly Pro Gly Pro Pro Gly Pro Pro Gly Pro 165 170 175
```

## O42190\_replacement\_sequence\_listing.txt Pro Gly Pro Pro 40 <210> <211> <212> PRT Artificial Sequence <213> <220> auxiliary amino acid sequence (Y) <223> <400> Gly Ala Gln Gly Pro Ala Gly Pro Gly 1 <210> 41 45 <211> <212> PRT Artificial Sequence <213> <220> auxiliary amino acid sequence (Y) <223> <400> 41 Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro Ala Gly 10 15 Pro Gly Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro 20 25 30 Ala Gly Pro Gly Gly Ala Gln Gly Pro Ala Gly Pro Gly 35 40 45 <210> 42 <211> 180 <212> PRT Artificial Sequence <213> <220> auxiliary amino acid sequence (Y) <223> <400> Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro Ala Gly 1 10 15 Pro Gly Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro 20 25 30 Ala Gly Pro Gly Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln 35 40 45 Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly 50 60

Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro Ala Gly Pro 65 70 75 80

```
042190_replacement_sequence_listing.txt
Gly Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro Ala
85 90 95
Gly Pro Gly Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly
100 105 110
Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala 115 120 125
Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro Ala Gly Pro Gly 130 140
Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro Ala Gly
145 150 155 160
Pro Gly Gly Ala Gln Gly Pro Ala Gly Pro Gly Gly Ala Gln Gly Pro
165 170 175
Ala Gly Pro Gly
180
<210>
        43
<211>
        15
<212>
        PRT
       Artificial Sequence
<213>
<220>
        auxiliary amino acid sequence (Y)
<223>
<400>
        43
Gly Ala Pro Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln
1 10 15
<210>
       44
<211>
        60
 <212>
        PRT
<213>
        Artificial Sequence
 <220>
        auxiliary amino acid sequence (Y)
 <223>
 <400>
Gly Ala Pro Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly 1 10 15
Ala Pro Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Ala 20 25 30
Pro Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Ala Pro 35 40 45
Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln
50 60
         45
 <210>
         180
 <211>
 <212>
         PRT
        Artificial Sequence
```

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<220>
<223>
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<400>
Gly Ala Pro Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly 10 15
Ala Pro Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Ala 20 25 30
Pro Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Ala Pro 35 40 45
Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly 50 60
Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Ala
65 70 75 80
Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Ala Pro
85 90 95
Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly 100 105 110
Ser Gln Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Ala Pro Gly Ser
115 120 125
Gln Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Ala Pro Gly Ser Gln
130 135 140
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Ala Pro Gly Leu Gln Gly Ala Pro Gly Ala Pro Gly Ser Gln Gly Ala
165 170 175
Pro Gly Leu Gln
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        46
<211>
        15
<212>
        PRT
        Artificial Sequence
<213>
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<223>
        auxiliary amino acid sequence (Y)
<400>
        46
Gly Ala Pro Gly Thr Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro
1 5 10
        47
<210>
<211>
        60
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 <213>
        Artificial Sequence
 <220>
```

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042190_replacement_sequence_listing.txt
       auxiliary amino acid sequence (Y)
       47
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Gly Ala Pro Gly Thr Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro Gly 10 15
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20 25 30
Pro Gly Thr Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro Gly Ala Pro 35 40 45
Gly Thr Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro 50 60
<210>
        48
<211>
       180
<212>
        PRT
       Artificial Sequence
<213>
<220>
        auxiliary amino acid sequence (Y)
<223>
<400>
Gly Ala Pro Gly Thr Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro Gly 10 15
Ala Pro Gly Thr Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro Gly Ala 20 25 30
Pro Gly Thr Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro Gly Ala Pro 35 40 45
Gly Thr Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro Gly Ala Pro Gly 50 60
Thr Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro Gly Ala Pro Gly Thr 65 70 75 80
Pro Gly Pro Gln Gly Leu Pro Gly Ser Pro Gly Ala Pro Gly Thr Pro
85 90 95
Gly Pro Gln Gly Leu Pro Gly Ser Pro Gly Ala Pro Gly Thr Pro Gly 100 105 110
Pro Gln Gly Leu Pro Gly Ser Pro Gly Ala Pro Gly Thr Pro Gly Pro 115 120 125
Gln Gly Leu Pro Gly Ser Pro Gly Ala Pro Gly Thr Pro Gly Pro Gln 130 140
Gly Leu Pro Gly Ser Pro Gly Ala Pro Gly Thr Pro Gly Pro Gln Gly 145 150 155 160
Leu Pro Gly Ser Pro Gly Ala Pro Gly Thr Pro Gly Pro Gln Gly Leu
165 170 175
Pro Gly Ser Pro
              180
```

## 042190\_replacement\_sequence\_listing.txt

```
<210> 49
<211> 30
<212> PRT
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<213> Artificial Sequence

<220>

<223> auxiliary amino acid sequence (Y)

<400> 49

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Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser 20 25 30

<210> 50 <211> 980

<212> PRT

<213> Artificial Sequence

<220>

<223> ProNectin F

<400> 50

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Thr Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Asp Pro 20 25 30

Met Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly 35 40 45

Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly 50 55 60

Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Ala Val Thr Gly Arg 65 70 75 80

Gly Asp Ser Pro Ala Ser Ala Ala Gly Tyr Gly Ala Gly Ala Gly Ser 85 90 95

Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala 100 105

Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ser Gly Ala 115 120 125

Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser 130 135 140 Page 21 Gly Ala Ala Val Thr Gly Arg Gly Asp Ser Pro Ala Ser Ala Ala Gly 145 150 155 160 Tyr Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly 165 170 175 Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly 180 185 190 Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly 195 200 Ser Gly Ala Gly Ala Gly Ser Gly Ala Ala Val Thr Gly Arg Gly Asp 210 215 220 Ser Pro Ala Ser Ala Ala Gly Tyr Gly Ala Gly Ala Gly Ser Gly Ala 225 230 235 240 Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser 245 250 255 Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala 260 270 Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ser Gly Ala 275 280 285 Ala Val Thr Gly Arg Gly Asp Ser Pro Ala Ser Ala Ala Gly Tyr Gly 290 295 300 Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly 305 310 315 Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly 325 335 Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly 340 345 Ala Gly Ala Gly Ser Gly Ala Ala Val Thr Gly Arg Gly Asp Ser Pro 355 360 365 Ala Ser Ala Ala Gly Tyr Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala 370 375 380 Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala

Page 22

Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser 405 410 415 Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Ala Val 420 425 430 Thr Gly Arg Gly Asp Ser Pro Ala Ser Ala Ala Gly Tyr Gly Ala Gly 435 440 445 Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ser Gly 450 455 460 Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly 465 470 480 Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly 485 490 495 Ala Gly Ser Gly Ala Ala Val Thr Gly Arg Gly Asp Ser Pro Ala Ser 500 510 Ala Ala Gly Tyr Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser 515 520 525 Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala 530 540 Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ser Gly Ala 545 550 555 Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Ala Val Thr Gly 565 570 575 Arg Gly Asp Ser Pro Ala Ser Ala Ala Gly Tyr Gly Ala Gly 580 585 590 Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly 595 600 605 Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly 610 615 620 Ala Gly Ala Gly Ser Gly Ala Gly Ala Gly Ser Gly Ala Gly 625 630 635 042190\_replacement\_sequence\_listing.txt
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